2015 Community for Data Integration (CDI) Workshop

Agenda: May 12-14, 2015

Tuesday, May 12, 2015

All Tuesday Sessions will be held in Building 41, Remington Arms Room
Remote Access: https://usgs.webex.com/usgs/j.php?MTID=m635cbd3a046df5d25dcfc94a049d2761
Audio Connection: 1-703-648-4848, Toll free 1-855-547-8255, Conference Code 48845189#

Time*	Session
7:30 AM – 8:30 AM	On-site Registration Building 41, Remington Arms Room
8:30 AM – 8:45 AM	Welcome and Opening Remarks *Max Ethridge, Southwest Regional Director, U.S. Geological Survey*
8:45 AM – 9:15 AM	Building Communities to Advance Science *Kevin T. Gallagher, Associate Director, Core Science Systems, U.S. Geological Survey*
9:15 AM – 10:00 AM	Plenary: The Critical Zone *Martin Goldhaber, Senior Scientist and Co-Director, John Wesley Powell Center, U.S. Geological Survey*
10:00 AM – 10:30 AM	Break
10:30 AM – 12:00 PM	Open Data Policies: Can We Get There from Here? *Moderator: Fran Lightsom, U.S. Geological Survey*

10:30 AM – 12:00 PM (continued)

➢ Top Level Policy Drivers for Open Data and Access
   Dave Govoni, U.S. Geological Survey

➢ Scientific Data Management Foundation
   Heather Henkel, U.S. Geological Survey

➢ Metadata for Scientific Data, Software, and Other Information Products
   Viv Hutchison, U.S. Geological Survey

➢ Review and Approval of Scientific Data for Release
   Keith Kirk, U.S. Geological Survey

➢ Preservation Requirements for Digital Scientific Data
   John Faundeen, U.S. Geological Survey

➢ Question and Answer Session

* All listed times are in Mountain Time

Tuesday, May 12, 2015 Continued

Time*	Session
12:00 PM – 1:30 PM	Lunch on your own (DataBlast poster set up)
1:30 PM – 2:30 PM	Plenary: The Research Data Commons *Philip E. Bourne, Associate Director for Data Science, National Institutes of Health*
2:30 PM – 3:00 PM	Science Data Lifecycle Management – Tools for Open Data *Moderators: Heather Henkel, U.S. Geological Survey and Viv Hutchison, U.S. Geological Survey*

➢ USGS Data Release Workflows
  Keith Kirk, U.S. Geological Survey

➢ Data Management Planning Tools
  Madison Langseth, U.S. Geological Survey

3:00 PM – 3:30 PM	Break (DataBlast poster set up)
3:30 PM – 4:30 PM	Science Data Lifecycle Management – Tools for Open Data (Continued) *Moderators: Heather Henkel, U.S. Geological Survey and Viv Hutchison, U.S. Geological Survey*

➢ Metadata Wizard
  Drew Ignizio, U.S. Geological Survey

➢ Online Metadata Editor
  Lisa Zolly, U.S. Geological Survey

➢ Digital Object Identifier Tool
  Lisa Zolly, U.S. Geological Survey

➢ ScienceBase as a Data Release Platform
  Drew Ignizio, U.S. Geological Survey

➢ Science Data Catalog
  Ben Wheeler, U.S. Geological Survey

4:30 PM – 4:45 PM	Vocabulary Server Use Cases Skit *Semantic Web Working Group (SWWG)*
4:45 PM – 5:00 PM	Break (DataBlast poster set up)
5:00 PM – 7:00 PM	DataBlast: Interactive Poster Sessions and Online Demonstrations Remington Arms Room *Note: Remote access is not available*

* All listed times are in Mountain Time

Wednesday, May 13, 2015

All Wednesday Sessions will be held in Building 41, Remington Arms Room
Remote Access: https://usgs.webex.com/usgs/j.php?MTID=m635cbd3a046df5d25dcfc94a049d2761
Audio Connection: 1-703-648-4848, Toll free 1-855-547-8255, Conference Code 48845189#

Time*	Session
7:30 AM – 8:30 AM	On-site Registration Building 41, Remington Arms Room

8:30 AM – 10:00 AM	Science Panel: Earth Scientist Perspectives on the Future of Data Integration
	    Moderator: Roland Viger, U.S. Geological Survey
	
	➤ Panel Members:
	    Rich Signell, U.S. Geological Survey
	    Lauren Hay, U.S. Geological Survey
	    Jeffrey Morisette, U.S. Geological Survey
	    Jill Baron, U.S. Geological Survey

10:00 AM – 10:30 AM	Break

10:30 AM – 12:00 PM	Linked Data: What, Who, Why, How?
	    Moderator: Dalia Varanka, U.S. Geological Survey
	
	➤ Use of Linked Data in the Global Change Information System
	    Stephan Zednik, Rensselaer Polytechnic Institute
	➤ An Open Geospatial Consortium Project to do Linked Data for the National Hydrography Dataset
	    Dave Blodgett, U.S. Geological Survey
	➤ How and Why the MRData is Served as Linked Data
	    Peter Schweitzer, U.S. Geological Survey
	➤ A Semantic Analysis for NHD Linked Open Data
	    Dalia Varanka, U.S. Geological Survey

12:00 PM – 1:30 PM	Lunch on your own

* All listed times are in Mountain Time

U.S. Geological Survey
Department of the Interior

Wednesday, May 13, 2015 Continued

Time*	Session
1:30 PM – 3:00 PM	**Citizen Science & Crowdsourcing** *Moderator: Dave Govoni, U.S. Geological Survey*

➢ Federal Community of Practice on Crowdsourcing and Citizen Science
Jay Benforado, Environmental Protection Agency
Lea Shanley, National Aeronautics and Space Administration

➢ USGS Citizen Science Guidebook
Carl Shapiro, U.S. Geological Survey
Pierre Glynn, U.S. Geological Survey

➢ Data Quality and the National Map Corps
Elizabeth McCartney, U.S. Geological Survey

➢ The USA National Phenology Network – Data Product Development and Delivery Framework
Jake Weltzin, U.S. Geological Survey

3:00 PM – 3:30 PM	Break
3:30 PM – 5:00 PM	Informatics in Earth Science: Practical Considerations for Integration *Moderators: Daniella Birch, U.S. Geological Survey*

➢ Scientific Computing Literacy
Mariela Perignon, Software Carpentry

➢ Open Cans of Worms…
Kevin McNinch, U.S. Geological Survey

➢ Web Services
Dell Long, U.S. Geological Survey
Tim Kern, U.S. Geological Survey

➢ Applied Research Computing
Jeff Falgout, U.S. Geological Survey
Janice Gordon, U.S. Geological Survey

* All listed times are in Mountain Time

Building Communities to Advance Science

Thursday, May 14, 2015

Thursday Sessions will be held in Building 41 & Building 53. See below for details.
Remote Access: https://usgs.webex.com/usgs/j.php?MTID=m635cbd3a046df5d25dcfc94a049d2761
Audio Connection: 1-703-648-4848, Toll free 1-855-547-8255, Conference Code 48845189#

Time*	Session	Location
8:30 AM – 9:15 AM	**Go Code Colorado and Colorado Open Data Initiatives** *Moderator: Matt Tricomi, U.S. Geological Survey* ➢ *Mike Hardin, Colorado Secretary of State's Office* ➢ *Trevor Timmons, Colorado Secretary of State's Office* ➢ *Andrew Cole, Colorado Secretary of State's Office* ➢ *Matt Kane, Xentity Corporation*	Building 41 Remington Arms
9:15 AM – 9:45 AM	**CDI Projects in Review – Successes from CDI Past Projects** *Moderator: Jennifer Carlino, U.S. Geological Survey* ➢ Science Data Lifecycle Implementation *John Faundeen, U.S. Geological Survey* ➢ Rethinking the Mobile Application Framework *Tim Kern, U.S. Geological Survey* ➢ Enhancing Climate Adaptation Research Through the Geo Data Portal Project *Dave Blodgett, U.S. Geological Survey* ➢ Evaluation of Downscaled General Circulation Model (GCM) Output *Lauren Hay, U.S. Geological Survey*	Building 41 Remington Arms
9:45 AM – 10:00 AM	**CDI Charge to the Working Groups** *Kevin T. Gallagher, Associate Director, Core Science Systems, U.S. Geological Survey*	Building 41 Remington Arms
10:00 AM – 10:30 AM	**Break** (Commute to breakout rooms in Building 53, if applicable)	

* All listed times are in Mountain Time

U.S. Geological Survey
Department of the Interior

Thursday, May 14, 2015 Continued

Time*	Session	Location
10:30 AM – 3:00 PM	**Concurrent Working Group Meetings**	

Working Groups are open to everyone. All attendees are encouraged to participate in a Working Group session of interest.

➤ Citizen Science / Crowdsourcing
   Moderator: Dave Govoni, U.S. Geological Survey

Building 53
Landsat Room

Link: https://usgs.webex.com/usgs/j.php?MTID=m0a6ad030bbd897600b204c2d97481aa6
Audio: 1-703-648-4848 (DOI), 1-855-547-8255 (Non-DOI), Code: 37759783#

➤ Data Management
   Moderators: Viv Hutchison, U.S. Geological Survey & Heather Henkel, U.S. Geological Survey

Building 41
Remington Arms

Link: https://usgs.webex.com/usgs/j.php?MTID=m98c9f553909dfd79ed1a75665e53114e
Audio: 1-703-648-4848 (DOI), 1-855-547-8255 (Non-DOI), Code: 69863244#

➤ Semantic Web
   Moderator: Fran Lightsom, U.S. Geological Survey

Building 53
Earth Room

Link: https://usgs.webex.com/usgs/j.php?MTID=m59334083fc118ba21dd97a58f20ad520
Audio: 1-703-648-4848 (DOI), 1-855-547-8255 (Non-DOI), Code: 94636983#

➤ Tech Stack & Connected Devices
   Moderators: Daniella Birch, U.S. Geological Survey & Tim Kern, U.S. Geological Survey

Building 53
Polar I & II Room

Use the following for the joint session in the morning:
Link: https://usgs.webex.com/usgs/j.php?MTID=m5e81286749d5c5ad2463af854f6585fc
Audio: 1-703-648-4848 (DOI), 1-855-547-8255 (Non-DOI), Code: 68157221#

Use the following for the Tech Stack afternoon breakout session:
Link: https://usgs.webex.com/usgs/j.php?MTID=m5e81286749d5c5ad2463af854f6585fc
Audio: 1-703-648-4848 (DOI), 1-855-547-8255 (Non-DOI), Code: 68157221#

Building 53
Polar I Room

Use the following for the Connected Devices afternoon breakout session:
Link: https://usgs.webex.com/usgs/j.php?MTID=m0dc2a3193876040e7ae7292a6ab5b3ed
Audio: 1-703-648-4848 (DOI), 1-855-547-8255 (Non-DOI), Code: 64399519#

Building 53
Polar II Room

* All listed times are in Mountain Time

Thursday, May 14, 2015 Continued

Remote Access: https://usgs.webex.com/usgs/j.php?MTID=m635cbd3a046df5d25dcfc94a049d2761
Audio Connection: 1-703-648-4848, Toll free 1-855-547-8255, Conference Code 48845189#

Time*	Session	Location
Time will vary	Lunch on your own (Lunchtime will vary based on Working Group schedule. Check with Working Group Moderators for details.)	
3:00 PM – 3:30 PM	Break (Regroup in Building 41, Remington Arms Room)	Building 41 Remington Arms
3:30 PM – 4:30 PM	Report Out from the Working Groups & Next Steps *Speakers: Working Group Representatives*	Building 41 Remington Arms
4:30 PM – 5:00 PM	Award Ceremony & Closing Remarks *Kevin T. Gallagher, Associate Director, Core Science Systems, U.S. Geological Survey*	Building 41 Remington Arms

Thank you for attending the 2015 CDI Workshop